

Amendments to the Claims: amendments to the claims are provided as indicated below.

1. **(Currently Amended)** A system for transporting a product via a carrier, the system comprising:

an environmental sensor physically associated with a product in a container, the environmental sensor configured to record product environment data during transport of the product through the carrier's logistics network;

at least one scanner for scanning the sensor at one or more locations to read reading the product environment data from the sensor at one or more locations within the carrier's logistics network; and

a computer connected to communicate with the at least one scanner, the computer generating a transporting instruction for transporting the container and product based on the scanned product environment data configured for:

determining, based on the product environment data, whether the environmental condition of the product has transcended a limit during transport;

routing the product through the carrier's logistics network to a first receiver so long as the determining has not established that the environmental condition has transcended the limit; and

rerouting the product through the carrier's logistics network to a second receiver, different from the first receiver, if the determining establishes that the environmental condition has transcended the limit.

2. **(Currently Amended)** A system as claimed in claim 1, wherein said rerouting comprises generating with the computer an updated transporting instruction that the computer transmits to at least one point within the carrier's logistics network for performance of transporting the product to said second receiver wherein the transporting instruction is generated based on determining whether the environmental condition of the contained product has transcended a limit based on the product environment data.

3. **(Currently Amended)** A system as claimed in claim 1, wherein the sensor stores shipping address data ~~of a~~ ~~for said first receiver and said second receiver to which the container and product are~~ ~~is to be sent, the transporting performed by a carrier so as to transport the container and product to the receiver based on the shipping address data so long as the determining has not established that the environmental condition has transcended the limit, and the transporting performed differently to other than the receiver if the environmental condition has transcended the limit.~~

4. **(Currently Amended)** A system as claimed in claim 1, wherein the ~~at least one scanner is further used for scanning identification data from at least one of the container and associated with the product.~~

5. **(Original)** A system as claimed in claim 1, wherein the sensor generates time data and stores product environment data in association with the time data to indicate the time of sensing the environment condition.

6. **(Currently Amended)** A system as claimed in claim 1, wherein the sensor comprises a visual indicator operable to signify that the environmental condition of the ~~contained~~ product has transcended a limit.

7. **(Original)** A system as claimed in claim 6, wherein the visual indicator comprises at least one light-emitting diode (LED) that illuminates in response to the environment condition to which the product is subjected transcending a limit.

8. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a radio-frequency identification (RFID) sensor tag, and the scanner transmits and receives radio frequency signals from the tag in the performance of scanning the sensor.

9. **(Currently Amended)** A system as claimed in claim 1, wherein the sensor is placed inside [[the]]a container used for holding the product during transport.

10. **(Currently Amended)** A system as claimed in claim 1, wherein the sensor is affixed to an outer surface of [[the]]a container used for holding the product during transport.

11. **(Currently Amended)** A system as claimed in claim 1, wherein the sensor is positioned on the productinside of the container.

12. **(Original)** A system as claimed in claim 1, wherein the environmental condition sensed by the sensor to generate the product environment data includes at least one of temperature, pressure, vacuum, vibration, shock, humidity, moisture, light, air, and a chemical.

13. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a temperature sensor, and the product environment data generated by the sensor comprises at least one measurement of a temperature level to which the product has been exposed.

14. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a pressure sensor, and the product environment data generated by the pressure sensor comprises at least one measurement of a pressure level to which the product has been exposed.

15. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a vacuum sensor, and the product environment data generated by the vacuum sensor comprises at least one measurement of a vacuum level to which the product has been exposed.

16. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a light sensor, and the product environment data generated by the light sensor comprises at least one measurement of an amount of light to which the product has been exposed.

17. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a chemical sensor, and the product environment data generated by the chemical sensor comprises at least one measurement of an amount of a chemical to which the product has been exposed.

18. **(Original)** A system as claimed in claim 1, wherein the sensor comprises an air sensor, and the product environment data generated by the air sensor comprises at least one measurement of an amount of air to which the product has been exposed.

19. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a vibration sensor, and the product environment data generated by the vibration sensor comprises at least one measurement of an amount of vibration to which the product has been exposed.

20. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a shock sensor, and the product environment data generated by the shock sensor comprises at least one measurement of an amount of shock to which the product has been exposed.

21. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a humidity sensor, and the product environment data generated by the humidity sensor comprises at least one measurement of an amount of humidity to which the product has been exposed.

22. **(Original)** A system as claimed in claim 1, wherein the sensor comprises a moisture sensor, and the product environment data generated by the moisture sensor comprises at least one measurement of an amount of moisture to which the product has been exposed.

23 – 25. **(Canceled)**

26. (Currently Amended) ~~An apparatus comprising~~ ~~A system as claimed in claim 1, wherein said computer is further configured for:~~

~~receiving the product environment data in association with product identification data;~~

~~storing the product environment data in association with the product identification data in a database;~~

~~receiving tracking data in association with the product identification data, the tracking data identifying when and where at least one scanning of the product was performed within the carrier's logistics network; and~~

~~storing the tracking data in association with the product identification data and the product environment data in said database~~

~~a database storage unit storing~~

~~identification data associated with at least one of a container and product;~~

~~tracking data associated with the identification data; and~~

~~product environment data associated with the identification data and the tracking data.~~

27. (Canceled)

28. (Currently Amended) ~~The apparatus~~ ~~system as claimed in claim 26, wherein the~~ ~~product identification data comprises a tracking identifier for uniquely identifying at least one of the container and the product within the carrier's logistics network.~~

29. **(Currently Amended)** A method of transporting a product via a carrier, the method comprising:

physically associating an environmental sensor with the product;

reading product environment data from the scanning an environmental sensor physically associated with a product in a container at one or more locations to read product environment data from the sensor at a location within the carrier's logistics network, the product environment data having been recorded by the environmental sensor during transport; and

transporting the container and product based on the product environment data

determining, based on the product environment data, whether the environmental condition of the product has transcended a limit during transport;

routing the product through the carrier's logistics network to a first receiver so long as the determining has not established that the environmental condition has transcended the limit; and

rerouting the product through the carrier's logistics network to a second receiver, different from the first receiver, if the determining establishes that the environmental condition has transcended the limit.

30. **(Currently Amended)** A method as claimed in claim 29, wherein said rerouting comprises generating with a computer system an updated transporting instruction that the computer system transmits to at least one point within the carrier's logistics network for performance of transporting the product to said second receiver further comprising:
determining whether the environmental condition of the contained product has transcended a limit based on the product environment data,
the transporting step being performed based on the determining step.

31. **(Currently Amended)** A method as claimed in claim 3029, wherein the container has a shipping label having associated with the product includes shipping address data indicating a shipping address of [[a]]said first receiver to which the container and product areis to be sent, the transporting performed so as to transport the container and product to the receiver based on the shipping address data so long as the determining has not established that the environmental

~~condition has transcended the limit, and the transporting performed differently if the environmental condition has transcended the limit.~~

32. **(Currently Amended)** A method as claimed in claim 3029, wherein the sensor stores shipping address data of ~~a~~ for said first receiver and said second receiver to which the container and product are~~s~~is to be sent, the transporting performed so as to transport the container and product to the receiver based on the shipping address data so long as the determining has not established that the environmental condition has transcended the limit, and the transporting performed differently if the environmental condition has transcended the limit.

33 – 42. **(Canceled)**

43. **(Currently Amended)** A method as claimed in claim 3029, wherein the determining is performed by the sensor to produce determination data ~~scanned in the scanning that is captured during said reading step.~~

44. **(Currently Amended)** A method as claimed in claim 3029, wherein the sensor generates time data and stores product environment data in association with the time data to indicate the time of sensing the environmental condition.

45. **(Currently Amended)** A method as claimed in claim 3029, wherein the sensor comprises a visual indicator operable to signify that the environmental condition of the ~~contained~~ product has transcended a limit.

46. **(Original)** A method as claimed in claim 45, wherein the visual indicator comprises at least one light-emitting diode (LED) that illuminates in response to the environment condition to which the product is subjected transcending the limit.

47 – 48. **(Canceled)**

49. **(Currently Amended)** A method as claimed in claim 29, wherein the sensor comprises a radio-frequency identification (RFID) sensor tag, and [[the]]a scanner performs said reading step by transmitting and receives receiving radio frequency signals from the tag in the performance of the scanning step.

50. **(Currently Amended)** A method as claimed in claim 4929, wherein the sensor is placed inside [[the]]a container used for holding the product during transport.

51. **(Currently Amended)** A method as claimed in claim 4929, wherein the sensor is affixed to an outer surface of [[the]]a container used for holding the product during transport.

52. **(Currently Amended)** A method as claimed in claim 4929, wherein the sensor is positioned on the product which is inside of [[the]]a container used for holding the product during transport.

53. **(Original)** A method as claimed in claim 29, wherein the environmental condition sensed by the sensor to generate the product environment data includes at least one of temperature, pressure, vacuum, vibration, shock, humidity, moisture, light, air, and a chemical.

54. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a temperature sensor, and the product environment data generated by the temperature sensor comprises at least one measurement of a temperature level to which the product has been exposed.

55. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a pressure sensor, and the product environment data generated by the pressure sensor comprises at least one measurement of a pressure level to which the product has been exposed.

56. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a vacuum sensor, and the product environment data generated by the vacuum sensor comprises at least one measurement of a vacuum level to which the product has been exposed.

57. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a light sensor, and the product environment data generated by the light sensor comprises at least one measurement of an amount of light to which the product has been exposed.

58. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a chemical sensor, and the product environment data generated by the chemical sensor comprises at least one measurement of an amount of a known chemical to which the product has been exposed.

59. **(Original)** A method as claimed in claim 29, wherein the sensor comprises an air sensor, and the product environment data generated by the air sensor comprises at least one measurement of an amount of air to which the product has been exposed.

60. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a vibration sensor, and the product environment data generated by the vibration sensor comprises at least one measurement of an amount of vibration to which the product has been exposed.

61. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a shock sensor, and the product environment data generated by the shock sensor comprises at least one measurement of an amount of shock to which the product has been exposed.

62. **(Original)** A method as claimed in claim 29, wherein the sensor comprises a humidity sensor, and the product environment data generated by the humidity sensor comprises at least one measurement of an amount of humidity to which the product has been exposed.

63. (Original) A method as claimed in claim 29, wherein the sensor comprises a moisture sensor, and the product environment data generated by the moisture sensor comprises at least one measurement of an amount of moisture to which the product has been exposed.

64 – 66. (Canceled)

67. (Currently Amended) A method of transporting a product via a carrier, the method comprising:

physically associating an environmental sensor with the product;

reading product environment data from the environmental sensor at one or more locations within the carrier's logistics network, the product environment data having been recorded by the environmental sensor during transport;

~~receiving identification data associated with at least one of a container and product at a computer system via a network from a remote scanner;~~

~~receiving product environment data at the computer system via the network from the remote scanner, said product environment data obtained by scanning an environmental sensor associated with the contained product;~~

receiving the product environment data in association with product identification data at a computer system;

storing the product environment data in association with the product identification data in a database portion of the computer system;

~~receiving tracking data associated with the contained product in association with the product identification data at the computer system via the network from the remote scanner, the tracking data identifying when and where at least one scanning of the product was performed within the carrier's logistics network; and~~

storing the tracking data in association with the product identification data and the product environment data in the database portion of the computer system.

68. (Canceled)

69. **(Currently Amended)** A method as claimed in claim 6867, wherein the ~~tracking identifier~~ product identification data is identified in a printed medium attached to the ~~package~~ product.

70. **(Original)** A method as claimed in claim 69, wherein the printed medium comprises a shipping label.

71. **(Currently Amended)** A method as claimed in claim 6867, wherein the ~~tracking identifier~~ product identification data is identified by a shipping label attached to a container enclosing the product.

72. **(Currently Amended)** A method as claimed in claim 6867, wherein the ~~tracking identifier~~ product identification data is stored in the sensor and read by a scanner to identify the ~~contained~~-product.

73. **(Currently Amended)** A method as claimed in claim 67, further comprising the steps of:

receiving a request ~~to access product environment data~~ from a remote computing device ~~via the network~~ to access information associated with the movement of the product through the carrier's logistics network; and

responsive to said request, transmitting the product environment data in association with the tracking data for the product to said remote computing device.

74. **(Currently Amended)** A method as claimed in claim 73, wherein ~~the computing system receives user identification data in the request received from the remote computing device~~ comprises user identification data for identifying a user making the request, the method further comprising the steps of:

determining whether the user is authorized to access the product environment data based on the user identification data; and

selectively transmitting the product environment data to the user, if the determining establishes that the user is authorized to access the product environment data.

75 – 85. (Canceled)

86. (Currently Amended) A computer-readable medium storing a computer program that can be executed by a computer to: ~~receive product environment data at the computer via a network from a remote scanner, said product environment data obtained by scanning an environmental sensor associated with a contained product; store the product environment data in the computer; receive tracking data associated with the contained product at the computer via the network from the remote scanner; and store the tracking data in association with the product environment data in the computer~~

receive product environment data in association with product identification data, the product environment data having been obtained by reading an environmental sensor associated with a product identified by the product identification data, the reading having taken place at one or more locations within a carrier's logistics network;

store the product environment data in association with the product identification data in a database;

receive tracking data in association with the product identification data, the tracking data identifying when and where at least one scanning of the product was performed within the carrier's logistics network; and

store the tracking data in association with the product identification data and the product environment data in the database.

87. (Canceled)

88. **(Currently Amended)** A computer-readable medium as claimed in claim 86, wherein the computer program can further be executed to ~~receive a request to access the product environment data from a remote computing device via the network, and transmit the product environment data in association with the tracking data;~~

receive a request from a remote computing device to access information associated with the movement of the product through the carrier's logistics network; and

responsive to said request, transmit the product environment data in association with the tracking data for the product to said remote computing device.

89. **(Currently Amended)** A computer-readable medium as claimed in claim 8688, wherein the request received from the remote computing device comprises user identification data for identifying a user making the request, and wherein the computer program can further be executed to: ~~receive user identification data in the request received from the remote computing device; determine whether the user is authorized to access the product environment data based on the user identification data; and selectively transmit the product environment data to the user, if the determining step establishes that the user is authorized to access the product environment data~~

determine whether the user is authorized to access the product environment data based on the user identification data; and

selectively transmit the product environment data to the user, if the determining step establishes that the user is authorized to access the product environment data.